



SEQUENCE LISTING

<110> Boles, T. Christian
Weir, Lawrence
Stone, Benjamin B.
Mosaic Technologies

<120> Detection of Non-Viral Organisms With SRP RNA

<130> 018422-000210US

<140> US 09/336, 609
<141> 1999-06-18

<150> US 60/090, 063
<151> 1998-06-19

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<170> PatentIn Ver. 2.0

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bacteria

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44-65 preferred probe for detection of bacteria

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conserved E. coli 4.5S RNA region nucleotides
preferred shorter probe for detection of bacteria

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<220>
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conserved E. coli 4.5S RNA region nucleotides
preferred shorter probe for detection of bacteria

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A
com

<210> 5
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preferred shorter probe for detection of bacteria

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preferred shorter probe for detection of bacteria

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<210> 7
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(Ad4.5S13Vnf) from conserved region of E. coli
4.5S RNA

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from conserved region of E. coli 4.5S RNA

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suitable for detection of E. coli species		
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bacteria		
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acrydite capture probe 13-III-ac		
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<223> Description of Artificial Sequence:fluorescent
sandwich probe 2F

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18

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phosphatase conjugated reporter probe RP-2

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guanosine ribonucleotide

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<220>
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<222> (3)
<223> n = um

<220>
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<222> (4)
<223> n = gm

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<223> n = cm

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<220>
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<220>
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<220>
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<223> n = um

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<223> n = cm

<400> 14
nnnnnnnnnn nn

<210> 15
<211> 19
<212> DNA
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acrydite-modified capture probe CP-1

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<223> n = acrydite-modified thymine

<220>
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<220>
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<223> n = gm

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<223> n = gm

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<222> (10)
<223> n = 2'-O-methyl adenosine ribonucleotide

<220>
<221> modified_base
<222> (11)
<223> n = cm

OK

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<222> (12)
<223> n = cm

<220>
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<223> n = um

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<223> n = gm

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<223> n = cm

<220>
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<222> (18)
<223> n = um

<220>
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<222> (19)
<223> n = um

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19

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      acrydite-modified capture probe CP-2

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<223> n = gm

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<223> n = gm

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<223> n = 2'-O-methyl adenosine ribonucleotide

<220>
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<223> n = cm

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<222> (18)
<223> n = um

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<223> n = gm

<400> 16
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<210> 17
<211> 19
<212> DNA
<213> Artificial Sequence

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acrydite-modified capture probe CP-3

A
A
C
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<223> n = acrydite-modified thymine

<220>
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<222> (7)
<223> n = cm

<220>
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<223> n = gm

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<222> (9)
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<222> (10)
<223> n = 2'-O-methyl adenosine ribonucleotide

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<221> modified_base
<222> (11)
<223> n = cm

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<220>
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<220>
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<222> (14)
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A
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<223> n = cm

<220>
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<223> n = 2'-O-methyl adenosine ribonucleotide

<220>
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<400> 17
nttttnnnn nnnnnnnnnn

<210> 18
<211> 19
<212> DNA
<213> Artificial Sequence

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<220>
 <221> modified_base
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 <220>
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 <223> n = um

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 Cont
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 <223> n = gm

 <220>
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 <222> (15)
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 <222> (17)
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19

<210> 19
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 acrydite-modified capture probe CP-5

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Cont*

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<223> n = gm

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<221> modified_base
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<222> (12)
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<222> (13)
<223> n = um

<220>
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<222> (14)
<223> n = gm

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<222> (16)
<223> n = cm

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<223> n = 2'-O-methyl adenosine ribonucleotide

<220>
<221> modified_base
<222> (18)
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<220>
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 <210> 20
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 (66nf)

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 <223> Description of Artificial Sequence:complementary
 nucleic acid probe

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 <210> 22
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 <220>
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 nucleic acid probe

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 <210> 23
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 <212> RNA
 <213> Artificial Sequence

 <220>
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 nucleic acid probe

 <400> 23
 aggaccugac aug 13

 <210> 24
 <211> 13
 <212> RNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:complementary
 nucleic acid probe

A
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cont

<400> 24
cggaccugac cag

<210> 25
<211> 13
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:complementary nucleic acid probe

<400> 25
cggaccugac aag

<210> 26
<211> 13
<212> RNA
<213> Artificial Sequence

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Cm
<220>
<223> Description of Artificial Sequence:complementary nucleic acid probe

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<210> 27
<211> 12
<212> RNA
<213> Artificial Sequence

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<223> n = um

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<223> n = um

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<220>
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nnnnnnnnnn nn